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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/266,202	03/10/1999		HARIKLIA DRIS REITZ	2950.08US02	5465	
24113	7590 10/02/2003			EXAMINER		
PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A.				LEE, K	LEE, KYUNG S	
4800 IDS CENTER						
80 SOUTH 8TH STREET				ART UNIT	PAPER NUMBER	
MINNEAPOLIS, MN 55402-2100				2832		

DATE MAILED: 10/02/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Application/Control Number: 09/266,202

Art Unit: 2832

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 2 and 36-40 are rejected under 35 U.S.C. 102(b) as being anticipated by Miksits et al. (5,527,519).

Miksits et al. teaches powder zinc oxide particles having an average diameter of 5nm to 100nm (col. 2, lines 59-60). "Dimension" as claimed is inherent from Miksits et al.'s teachings. Further, Miksits et al. teaches the stoichiometry of zinc oxide (col. 2).

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1-5, 7-9, 25-30 and 36-40 are rejected under 35 U.S.C. 102(e) as being anticipated by Takeda et al. (6,200,680).

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Takeda et al. teaches a collection of particles in a powder comprising zinc oxide crystal (see abstract, col. 24, lines 45-55). The zinc oxide particles have an average diameter less than about 95nm (col. 5, line 33; 0.005 μm to 0.1 μm). Regarding the "distribution of particle size" as claimed Takeda et al. discloses particle size variation of 30% (col. 25, line 32).

Regarding claims 2, 3 and 36, Takeda et al. discloses "about 5nm" particle diameter.

Regarding claims 4, 5 and 25-26, Takeda et al. meets the particle diameter as claimed.

Regarding claims 7-9 and 37, Takeda et al. inherently discloses a zinc oxide varistor having "particle average diameter less than 95nm."

Regarding claims 27-29 and 38-40, Takeda et al. teaches the stoichiometry of zinc oxide. Further, regarding claim 30, Takeda et al. discloses a white metal oxide comprising of antimony (Hawley's page 1180; copy attached).

Response to Arguments

4. Applicant's arguments with respect to claims 1-5, 7-9 and 25-30 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard K. Lee whose telephone number is (703) 306-9060. The examiner can normally be reached on Mon. to Fri. 5:30AM to 2:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (703) 308-7619. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

Richard K. Leg

Examiner

Art Unit 28